



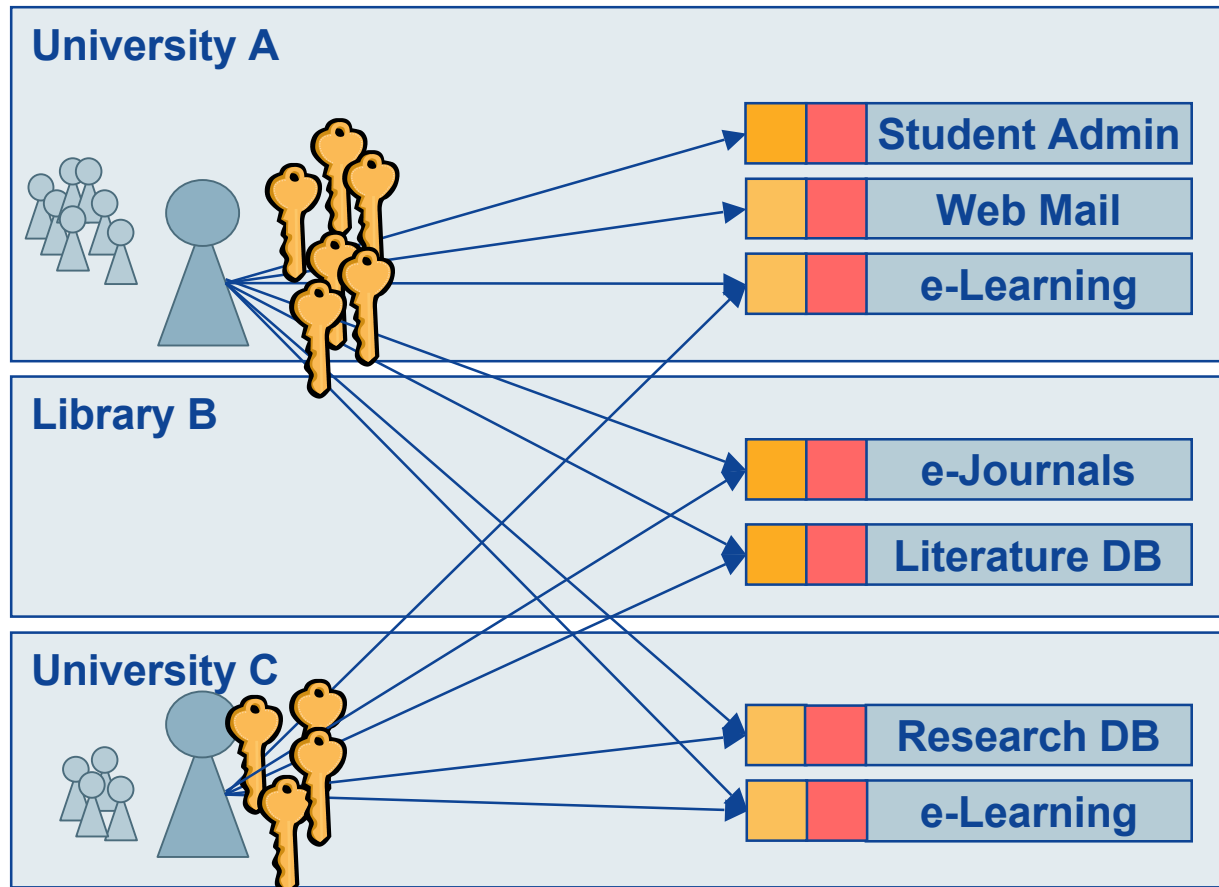
SWITCH

The Swiss Education & Research Network

Introduction to AAI

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Without AAI



- Tedious user registration at all resources
- Unreliable and outdated user data at resources
- Different login processes
- Many different passwords
- Many resources not protected due to difficulties
- Often IP-based authorization
- Costly implementation of inter-institutional access

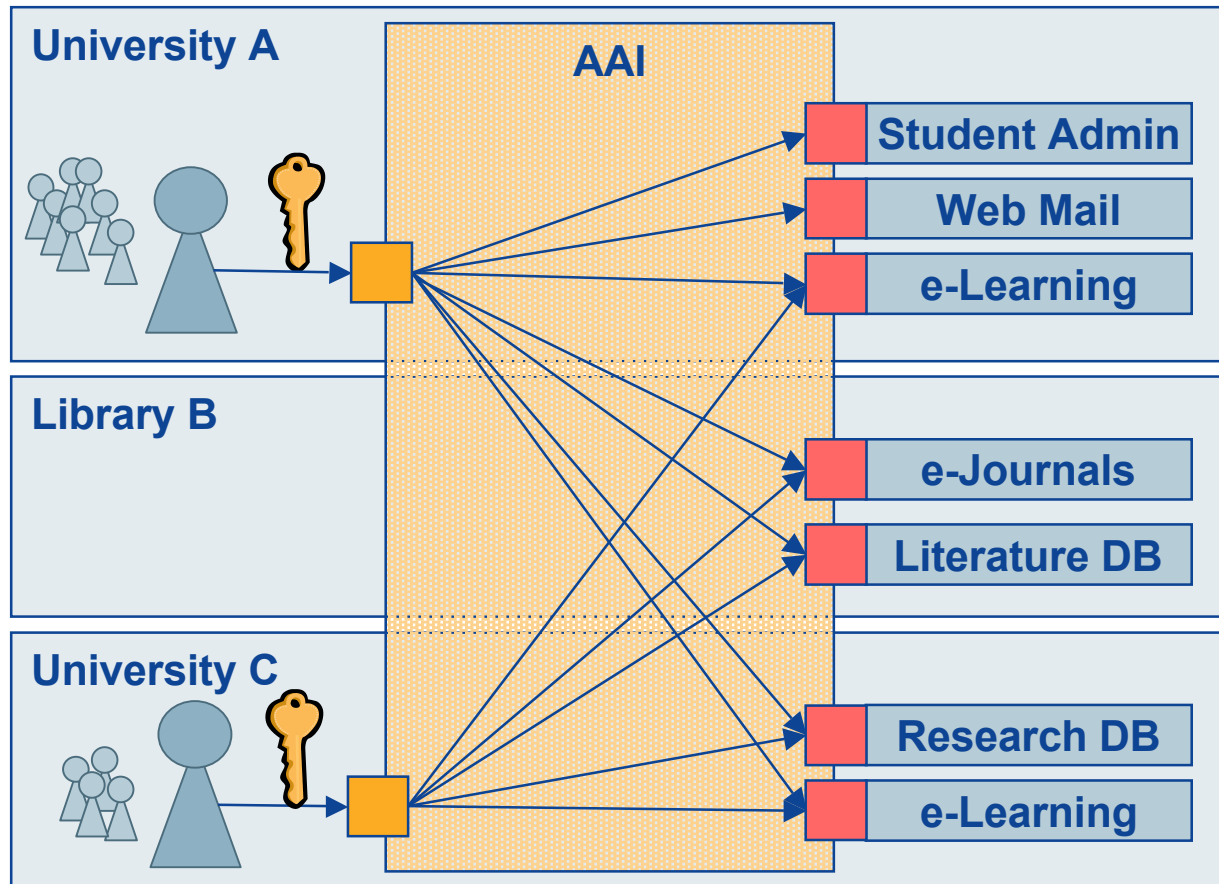
User Administration
Authentication

Authorization

Resource

 Credentials

With AAI



- No user registration and user data maintenance at resource needed
- Single login process for the users
- Many new resources available for the users
- Enlarged user communities for resources
- Authorization independent of location
- Efficient implementation of inter-institutional access

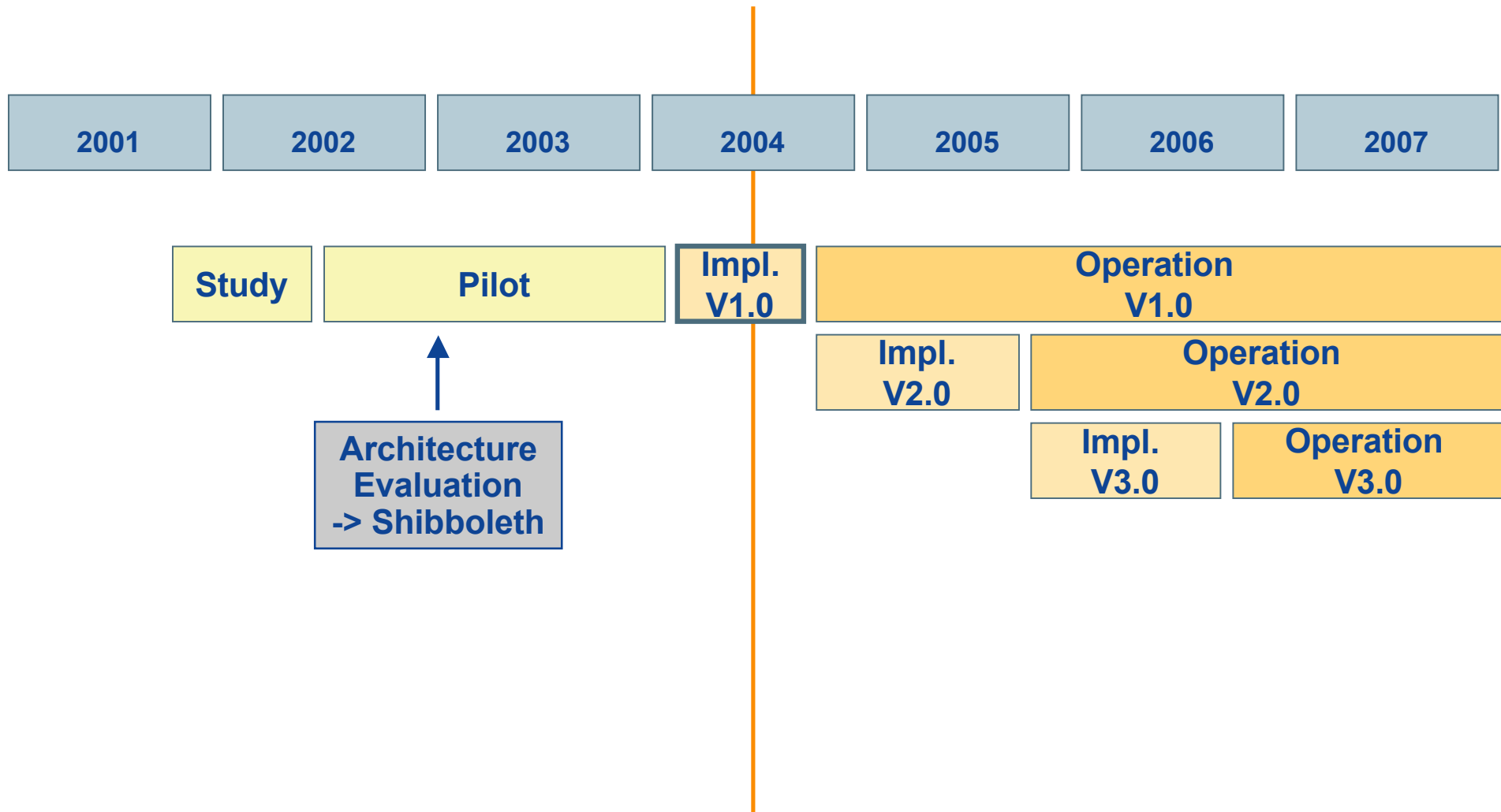
User Administration
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SWITCHhai Project Planning



<http://www.switch.ch/pki/import.html>

Safari (für OS 10.3 Panther)

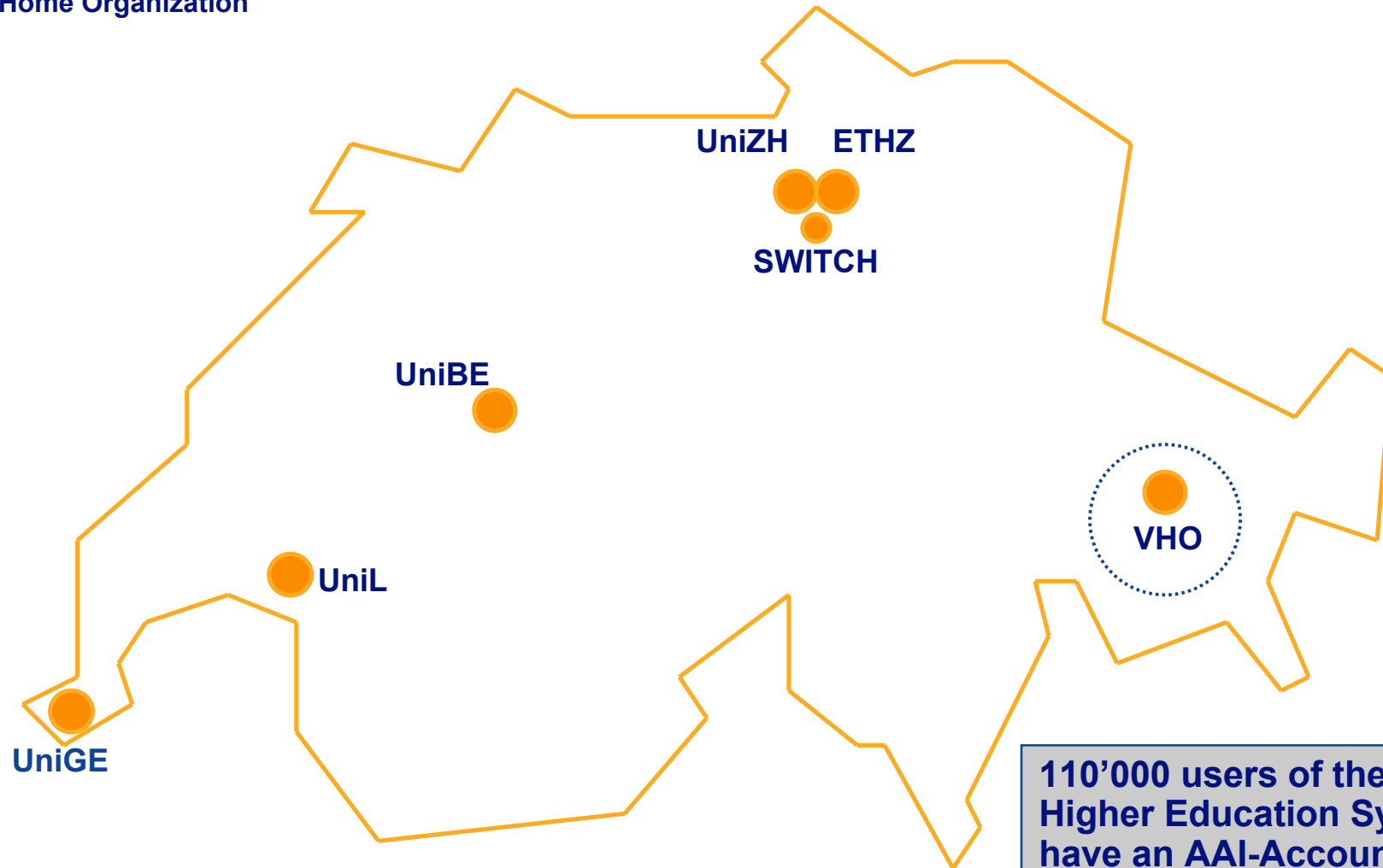
- Download Certificate
- Doubleclick on File
- X509 Anchors
- Keychain Password = Administrator Password
- Keychain Access -> Quit Keychain Access

Internet Explorer (Windows)

- Click on Certificate
- Open
- Install Certificate
- Defaults OK

SWITCHhai Status - Home Organizations

● AAI Home Organization



110'000 users of the Swiss Higher Education System have an AAI-Account (= 50% of all users)

- ❑ Username: **demo1 .. demo30**
(according to number on nametag)
- ❑ Password: **demo**
- ❑ Home Organisation: **Test Home Organization @SWITCHaai**

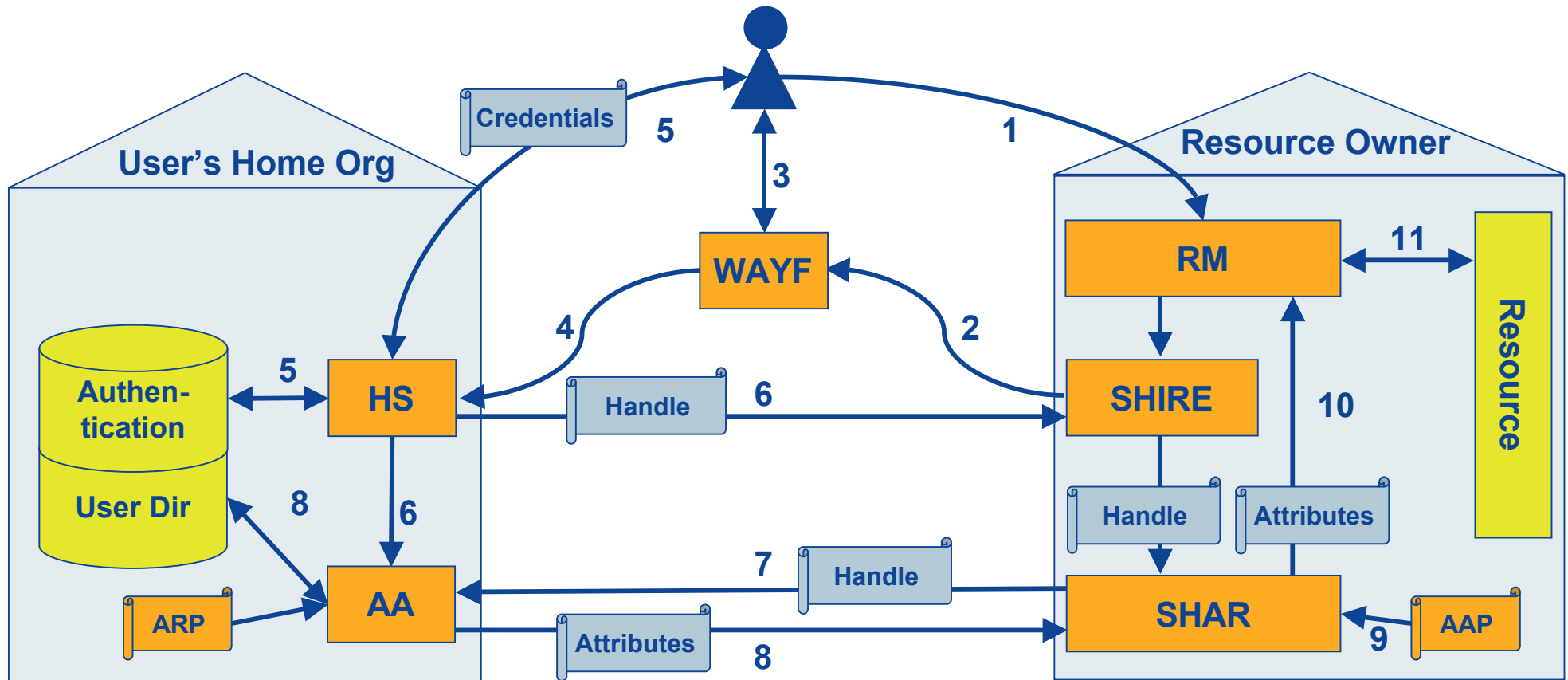
□ <http://www.switch.ch/aai>

-> Demo

-> Try it yourself

(<https://kohala.switch.ch/secure>)

Shibboleth Process: The Details



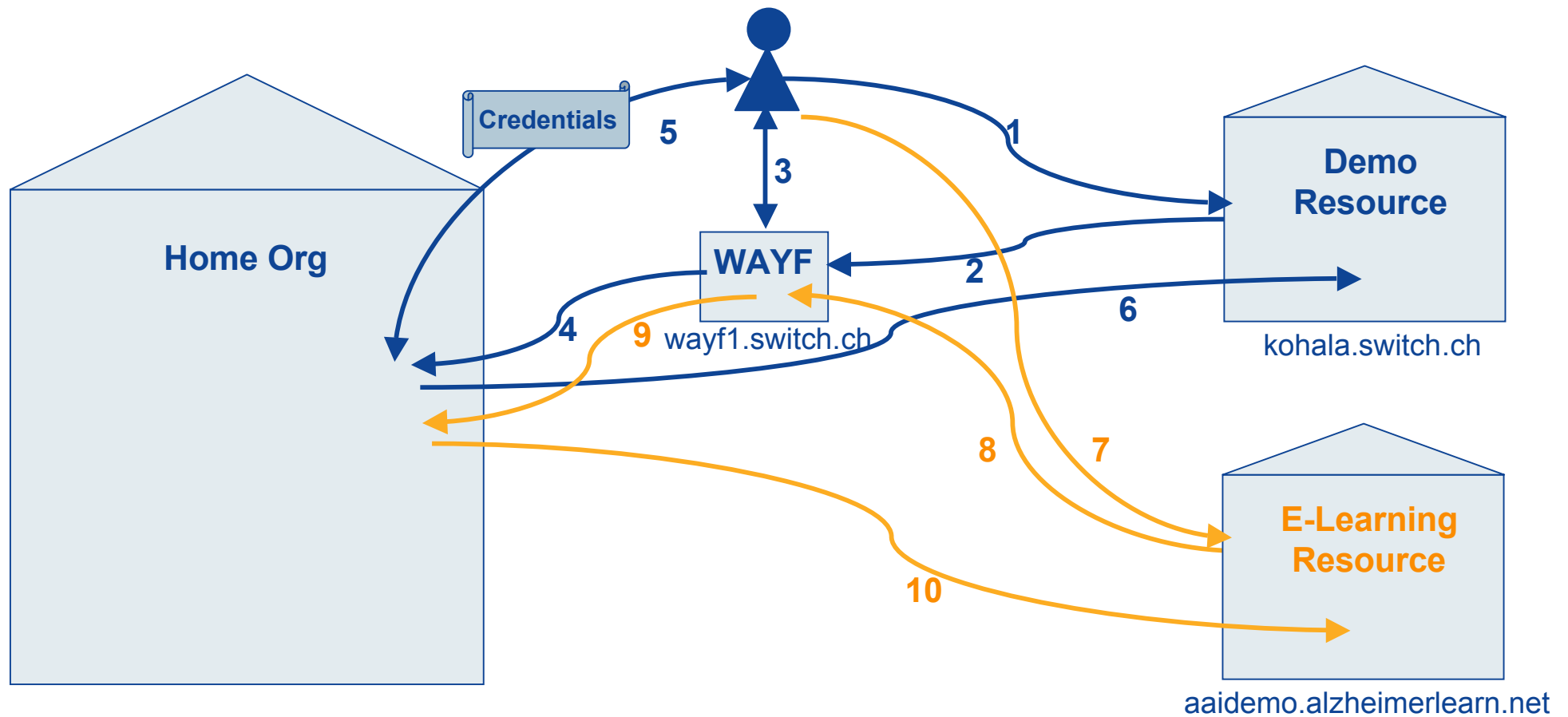
HS Handle Server
 AA Attribute Authority

WAYF 'Where Are You From'-Server

RM Resource Manager
 SHIRE Shibboleth Indexical Reference Establisher
 SHAR Shibboleth Attribute Requestor

Shibboleth AAI Components

Single Sign On



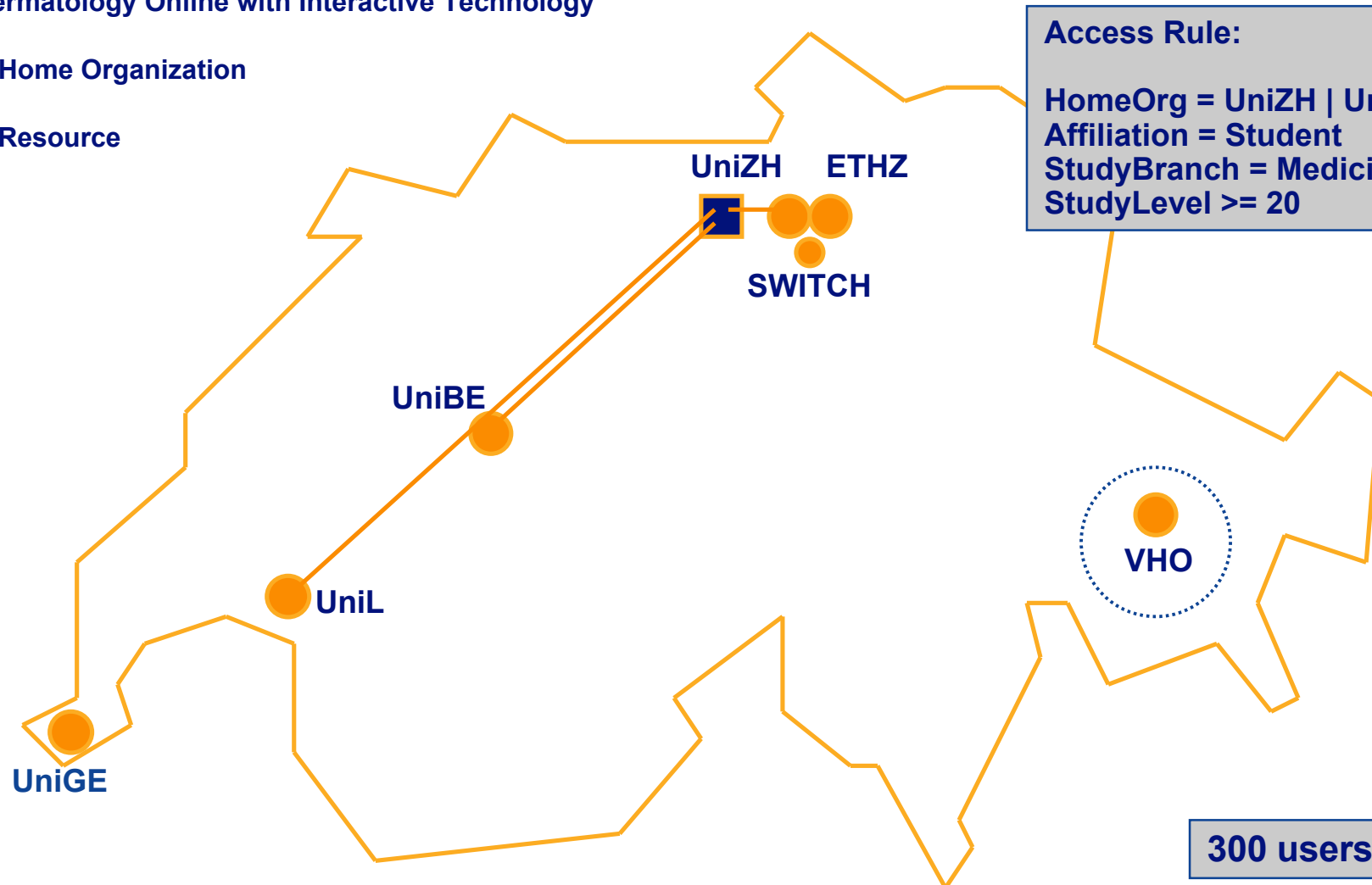
<http://aaidemo.alzheimerlearn.net/>

Showcase 1: DOIT

DOIT: Dermatology Online with Interactive Technology

● AAI Home Organization

■ AAI Resource

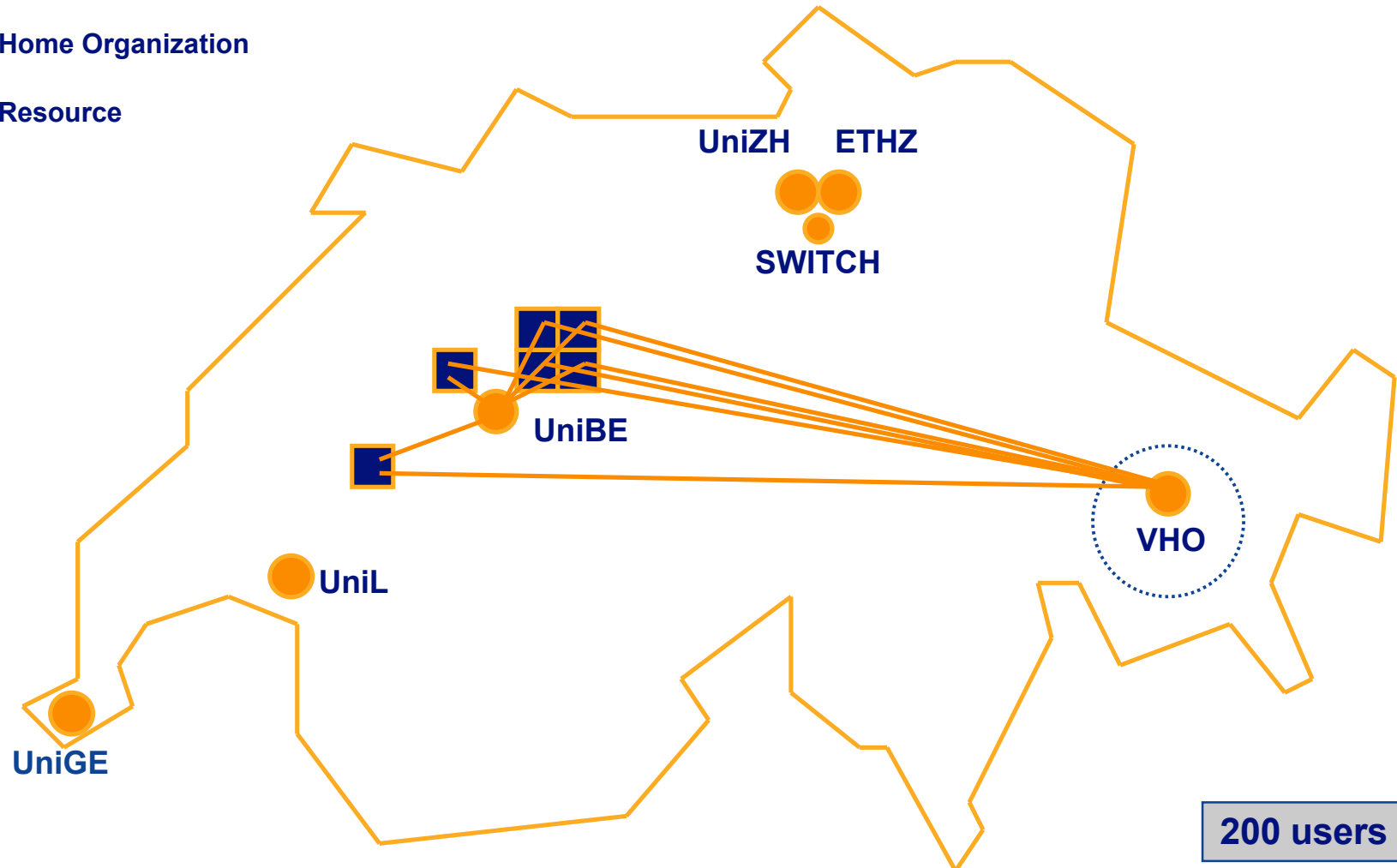


Showcase 2: VITELS

VITELS: Virtual Internet and Telecommunications Laboratory of Switzerland

● AAI Home Organization

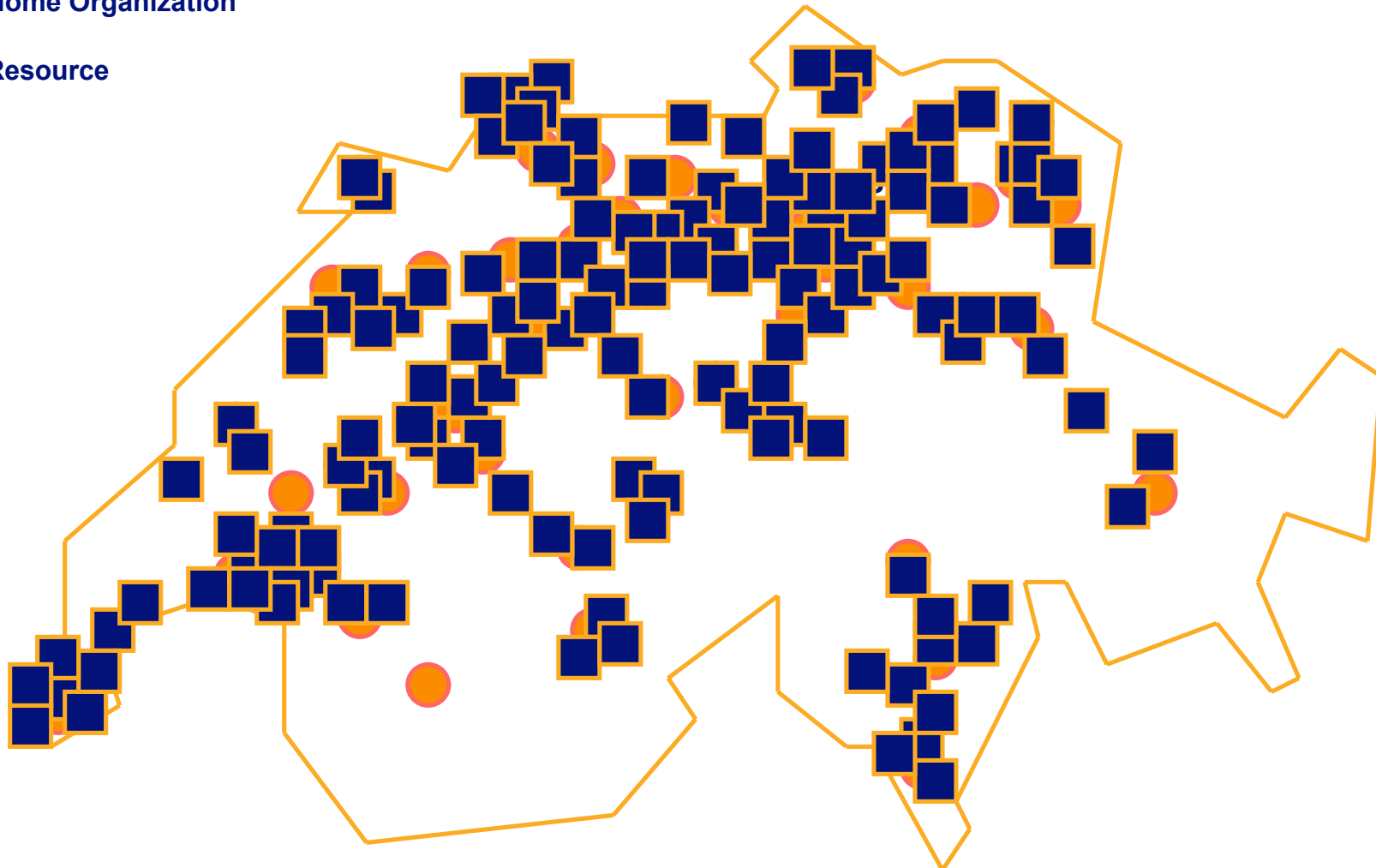
■ AAI Resource



The Goal (mid 2006)

● AAI Home Organization

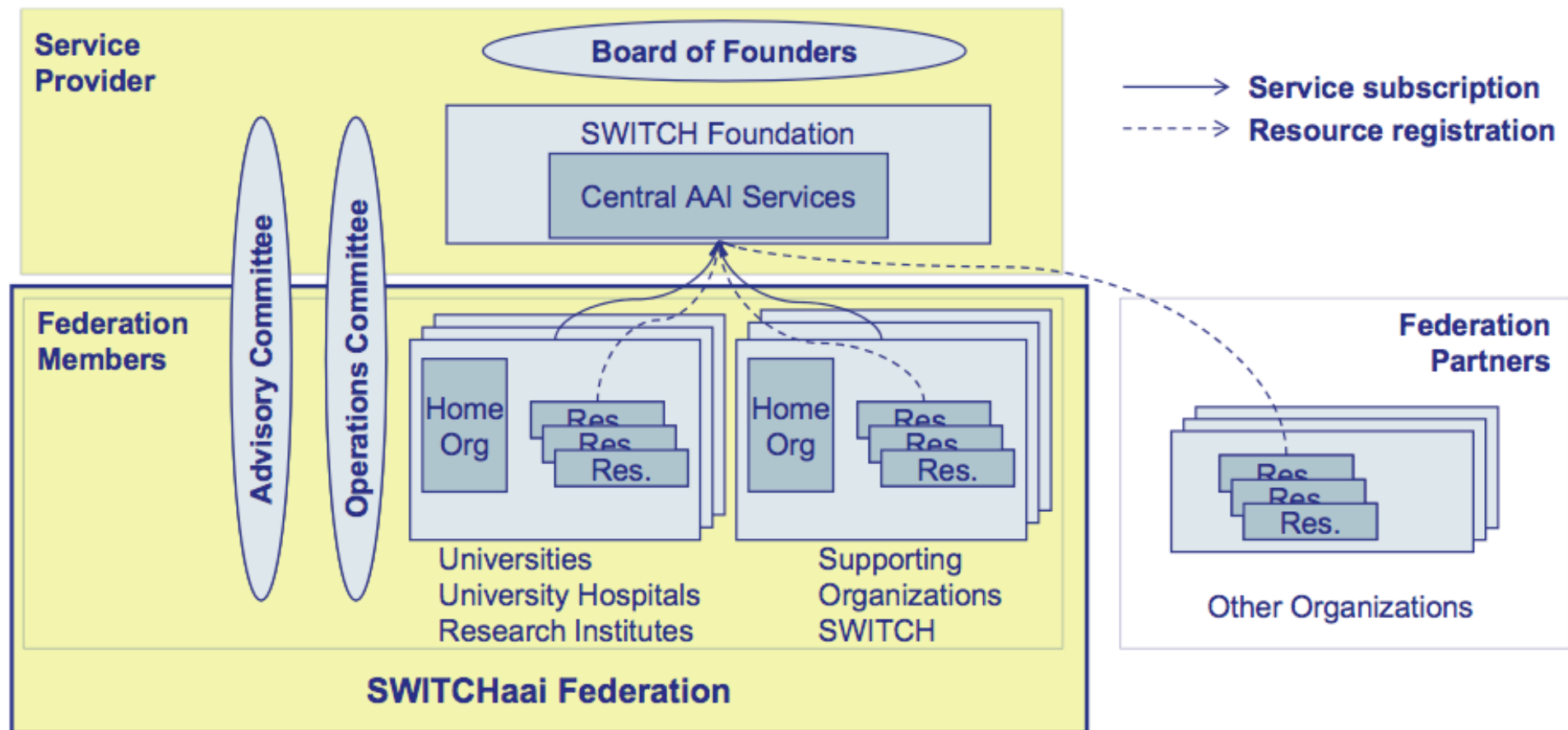
■ AAI Resource

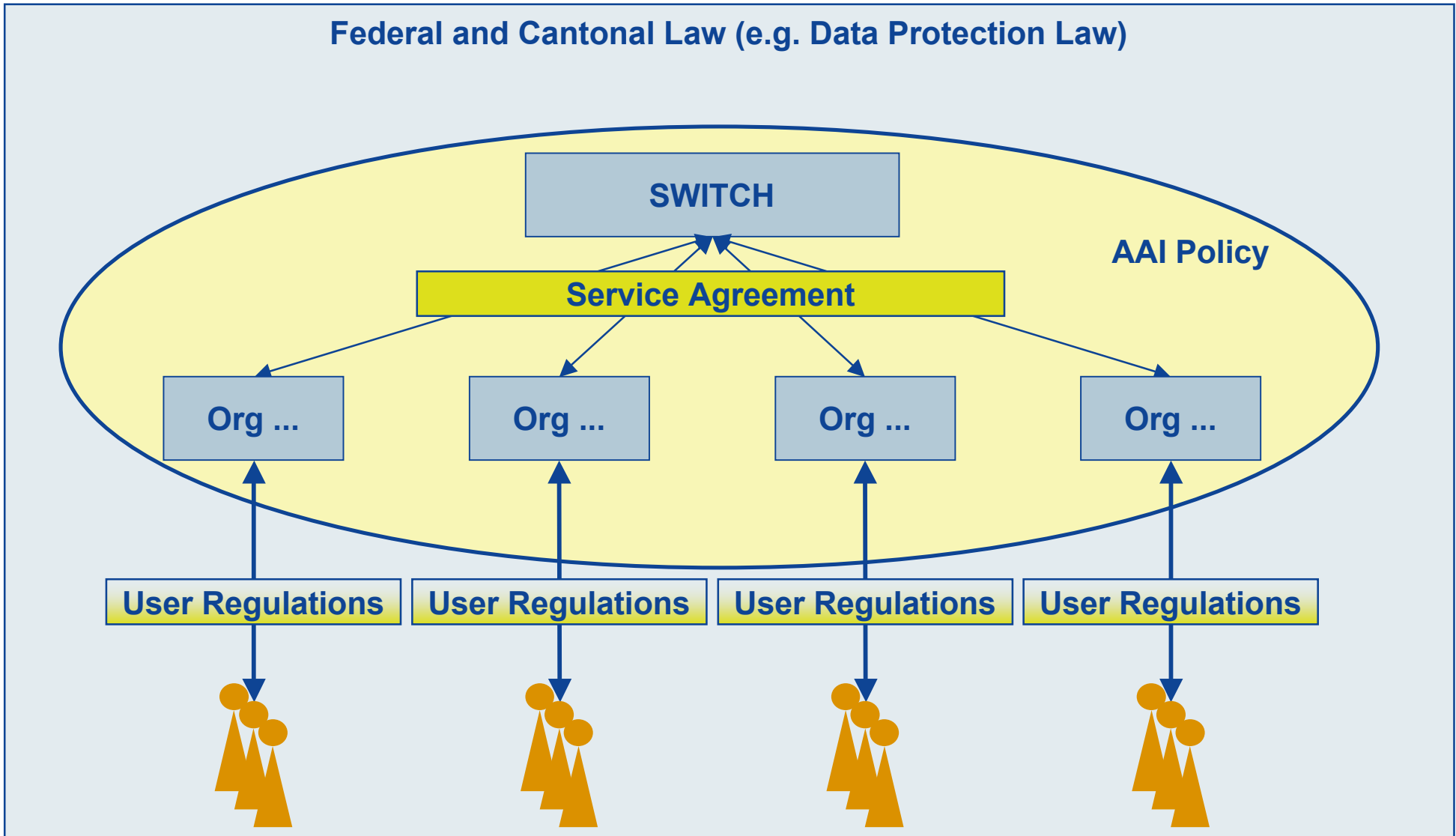


SWITCHhai Federation

SWITCH acts as federation service provider

Federation membership based on signed service agreements





- ❑ **Strategy & Marketing**
- ❑ **International Contacts**
- ❑ **Support, Consulting, Training**
- ❑ **Providing Federation-specific Files and Configuration Guides**
- ❑ **Operating WAYF (Where Are You From Server)**
- ❑ **Test-HomeOrg and Test-Resource**
- ❑ **Tools (AAIportal, AAIproxy)**
- ❑ **Virtual Home Organization**

- ❑ **Shibboleth:**
<http://shibboleth.internet2.edu/>

- ❑ **Shibboleth Demo:**
<http://www.switch.ch/aai/demo>

- ❑ **Pilot Results Report:**
http://www.switch.ch/aai/docs/AAI_Pilot_Results.pdf

- ❑ **Attribute Specification:**
http://www.switch.ch/aai/docs/AAI_Attr_Specs.pdf